

Guiding Questions:

- 1) How can we feed an exponentially growing population?
- 2) Why is image of “farmer” misleading nowadays?
- 3) Can farmers protect plants from pests without using poison?



Date	Learning goal	Vocabulary	Homework (Date assigned)
Mon, 3/21	Explain how food is produced for a growing human population and the threats of “food insecurity.”	See reverse	Read Ch 12.1-2 (pp. 276-285) 1-page typed (Due Wed): Contrast “polyculture” with “monoculture” and explain the threats associated with monocultures.
Tues, 3/22	Defend arguments both for and against genetically modified foods.		Read Ch 12.3
Wed, 3/23	-Define and give examples of IMP (integrated pest management) -Explain the pros and cons of IMP.		Read Ch 12.4
Thurs, 3/24	-Differentiate between the 3 approaches governments can take to improving food security -Explain six ways that food could be produced more sustainably		Read Ch 12.5 & 12.6
Fri, 3/25	Review for Test		Finish review sheet; test Monday

Sprint to the finish!

Bring your binder to class every day

Check the website for work and notes: <https://msjohnsonGWHS.wikispaces.com>Check Engrade for your grade: www.engage.com/students

Return permission slip and \$11 to Ms. Johnson for the required field trip by Monday, 3/28

Timeline for the rest of the year

Week of

3/21: Pesticides & land use; integrated pest management; loss of biodiversity

3/28: Renewable and non-renewable energy; transition to pollution

3/28: Air Pollution

4/4: Water Pollution

4/11: Water resource usage and treatment technologies

Field trip 4/12: Baxter water treatment plant & SE Philadelphia wastewater treatment plant.

Bring a packed lunch and meet in the front lobby at 9:15 AM.

4/18: ****Spring break**** (Read Ishmael at home)4/25: Discuss Ishmael; take practice AP tests5/2: AP Envi Sci Test May 2nd!

Remainder of the year: Make biodiesel, plant a courtyard garden, nature journaling, environmental documentaries, generally fun stuff!

Chapter 12 Vocabulary

animal manure (p. 305)
aquaculture (p. 285)
chronic undernutrition
(p. 277)
chronic malnutrition (p. 277)
commercial inorganic fertilizer (p. 305)
compost (p. 305)
desertification (p. 288)
famine (p. 278)
fisheries (p. 285)
food security (p. 276)
food insecurity (p. 276)
green manure (p. 305)
green revolution (p. 282)
high-input agriculture (p. 279)
hunger (p. 277)
industrialized agriculture (p. 279)
integrated pest management (IPM) (p. 300)
organic fertilizer (p. 305)
organic agriculture (p. 307)
overnutrition (p. 278)
pest (p. 293)
pesticides (p. 294)
plantation agriculture (p. 279)
polyculture (p. 280)
salinization (p. 288)
slash-and-burn agriculture (p.280)
soil (p. 281)
soil conservation (p. 302)
soil erosion (p. 287)
traditional intensive agriculture (p. 280)
traditional subsistence agriculture (p. 280)
waterlogging (p. 289)
windbreaks (p. 282)